



Sheet 1 of 1

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i> | ATTORNEY DOCKET NO. | APPLICATION NO. |
| | 1220.1001 | 10/589,437 |
| | FIRST NAMED INVENTOR | |
| | Kenichi SHIRAISHI | |
| | FILING DATE | GROUP ART UNIT |
| | August 1, 2007 | 2882 |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|-------------------|----|--------------|------------|----------|-------|-----------|-------------|
| | AA | 6,437,851 B2 | 08/20/2002 | Hagiwara | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | TRANSLATION YES NO | | English ABSTRACT |
|--|----|--------------|------------|---------|-----------------------|---|------------------|
| | AG | 8-45816 | 02/16/1996 | Japan | | X | X |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |
| | AL | | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | TRANSLATION YES NO | |
|--|----|--|-----------------------|--|
| | AM | Korean Office Action issued April 29, 2011 in corresponding Korean Patent Application 2006-7019407 | X | |

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| EXAMINER | DATE CONSIDERED |
| <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |